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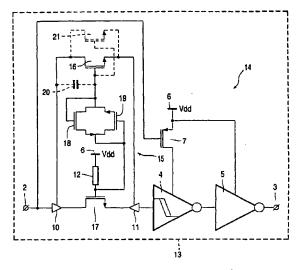
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(54) Title: A VOLTAGE LIMITING SEMICONDUCTOR PASS GATE CIRCUIT



(57) Abstract: A voltage limiting semiconductor pass gate circuit (15), comprises a first transistor (16), operatively connected to an input node (10) and an output node (11) of the pass gate circuit (15), and a second transistor (17), operatively connected between the input node (10) and the output node (11). The second transistor (17) has a control electrode biased to a supply voltage (6), and the first transistor (16) has a control electrode which connects by two back-to-back connected diode elements (18, 19) to the control electrode of the second transistor (17). The pass gate circuit (15) is typically applied in input I/O cells (14) of semiconductor integrated circuits (13).

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H03K17/06								
According to International Patent Classification (IPC) or to both national class	ssification and IPC							
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used)								
PAJ, EPO-Internal, WPI Data	a base and, where practical, search terms used)	·						
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category ° Citation of document, with indication, where appropriate, of the	e relevant passages F	Relevant to claim No.						
JP 60 177714 A (HITACHI SEISAK 11 September 1985 (1985-09-11)		-3						
Y figure 1		-8						
Y US 6 271 703 B1 (WERT JOSEPH D 7 August 2001 (2001-08-07)	·	-8						
A column 5, line 24-43; figure 4		-3						
Further documents are listed in the continuation of box C. X Patent family members are listed in annex.								
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